



careertechwv.com





**West Virginia Board of Education
2024-2025**

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Why CTE?

CTE classes will better prepare students to be both college and career ready.



WHAT IS CAREER TECHNICAL EDUCATION?

West Virginia's Career Technical Education (CTE) programs empower students to explore potential careers in various hands-on, technical training programs. CTE programs not only teach students real-world knowledge and skills, but also provide opportunities for industry-recognized credentials and meaningful work-based learning experiences. CTE students gain hands-on experience to better understand and prepare for high-demand, real-world jobs.

CTE PATHWAY FROM MIDDLE SCHOOL TO CAREER

Students can begin exploring CTE programs in middle school. Taking CTE courses in middle and high school can help students decide what direction to take after graduation. CTE classes will better prepare students to be both college and career ready.

MIDDLE SCHOOL

- ▶ Explore CTE programs through Discover Your Future initiative

GRADUATION

- ▶ Start your career or earn additional certifications

CONTINUE YOUR EDUCATION

- ▶ Obtain a 1-year certification through an Advanced Career Education (ACE) program
- ▶ Complete your associates degree at a community college
- ▶ Earn your bachelor's or master's degree at a university

HIGH SCHOOL

- ▶ Explore your interests by enrolling in a CTE class
- ▶ Earn licenses and credentials
- ▶ Earn college credit

MILITARY

- ▶ Enroll in the military



MIDDLE SCHOOL

Discover Your Future

Middle school is a time of great exploration where students are discovering their futures and weighing the possibilities of a career, while attempting to identify what they are passionate about.

Discover
Your Future

Discover Your Future is a new course developed with the cooperation of elementary and middle school teachers from across the state. Throughout the course, students in grades 6 – 8 will experience hands-on learning modules, guest speakers from industry, field trips, and partnerships with high school simulated workplace students.

Discover Your Future allows middle school students to find their passion and envision themselves doing something they love!

HIGH SCHOOL

Simulated Workplace

Simulated Workplace (SW) is an engaging learning environment that provides students with authentic workplace experiences and the skills they need to be successful in their careers and higher education. Simulated Workplace implements workplace protocols in the classroom that align with West Virginia workforce requirements, including random drug testing, professionalism, attendance, and safety. Simulated Workplace classrooms encourage students to take ownership of their education and future career success.

- ▶ SW is a drug-free work-based learning environment.
- ▶ All SW students are required to be drug tested.
- ▶ We are proud to boast a 98.4% drug-free rate.



“Simulated Workplace turns OK students into great students and great students into leaders.”

– Former CTE Student



Classroom 2 Career

Career Technical Education (CTE) students in West Virginia can gain real-world work experience through apprenticeship opportunities. By combining classroom learning with on-the-job training, these apprenticeships provide students with the skills and experience necessary to succeed in today's competitive job market. These programs also benefit businesses by providing a pipeline of skilled workers and contributing to the growth and success of local industries.

Learn more at wvclassroom2career.com

COLLEGE

| TECHNICAL SCHOOL | 1 YEAR COMMUNITY COLLEGE | 2 YEARS COLLEGES & UNIVERSITIES | 4 YEARS |
|---|--|--|----------------|
| <p>Advanced Career Education (ACE) offers credentials, certifications, and licenses in growing industries across the state to make you more valuable in today's job market. The ACE Advantage program provides low-cost or tuition-free training options in West Virginia's fastest growing industries.</p> | <p>Nine community and technical colleges located across the Mountain State represent the West Virginia Community and Technical College System. No matter where you live in our state, a hands-on educational experience is close to home – and, thanks to West Virginia Invests, chances are you can get your credential for free!</p> | <p>West Virginia's four-year public higher education system includes 12 campuses that offer vast opportunities for a high-quality education at an affordable cost. Visit collegeforwv.com to learn more about the state scholarships and grants that can open these doors and help you get your start.</p> | |

MILITARY

During high school, students can participate in the Junior Reserve Officer Training Corps (JROTC) program. JROTC teaches students citizenship, leadership, character, and community service. The core values are at the heart of JROTC, whose creed emphasizes working to better the cadet's family, school, and country.

Visit wvclassroom2career.com to learn more about career options within the military.



CAREER

There are 16 CTE career clusters that offer fantastic opportunities for students to explore various potential careers in a wide range of fields and industries. The CTE career clusters help students discover their passion and empower them to choose a successful pathway after graduation.

Within each career cluster, students can choose a program of study to focus on. These programs enhance the high school experience and expand opportunities for students by allowing them to explore various careers within a particular field.



CTE allows students to find their passion



CTE enhances the high school experience



CTE prepares students for the real world



CAREERTECH WV

AGRICULTURE, FOOD & NATURAL RESOURCES

WHAT IS IT?

Do you enjoy working with plants and animals? Interested in working to conserve natural resources or protect the environment? Agriculture, Food & Natural Resources is focused on the production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products or resources.

HIGH SCHOOL PROGRAMS OF STUDY:

- ▶ Agribusiness Systems
- ▶ Animal Processing
- ▶ Animal Systems
- ▶ Forest Industry
- ▶ Natural Resources Management
- ▶ Pet Grooming
- ▶ Plant Systems
- ▶ Power, Structural and Technical Systems

STUDENT CREDENTIALS:

- ▶ Beef Quality Assurance Certification
- ▶ Certified Logger - West Virginia Forestry Association
- ▶ Certified Professional Horticulturist
- ▶ FFA State Degree
- ▶ IADC Rigpass

LEADS TO THESE CAREERS:

- ▶ Agribusiness Manager
- ▶ Butcher and Meat Cutter
- ▶ Environmental Engineering Technologist/Technician
- ▶ Forester
- ▶ Landscaping/Groundskeeping
- ▶ Meat, Poultry, Fish Cutter

JOB OUTLOOK

Forester



AVG SALARY

\$61,770



EDUCATION LEVEL

Bachelor's Degree



JOB OUTLOOK

Stable

Environmental Engineering Technologist/ Technician



AVG SALARY

\$53,110



EDUCATION LEVEL

Associate's Degree



JOB OUTLOOK

Stable

Meat, Poultry and Fish Cutter



AVG SALARY

\$31,410



EDUCATION LEVEL

No standard requirement



JOB OUTLOOK

-



CAREERTECHWV ARCHITECTURE & CONSTRUCTION

WHAT IS IT?

Do you want to use your skills to design, build, and maintain structures where people live, work, and play? Architecture & Construction is focused on careers in designing, planning, managing, building, and maintaining the built environment.

HIGH SCHOOL PROGRAMS OF STUDY:

- ▶ Building Maintenance and Operations
- ▶ Carpentry
- ▶ Computer Aided Drafting and Design
- ▶ Electrical Technician
- ▶ HVAC Technician
- ▶ Masonry
- ▶ Plumbing

STUDENT CREDENTIALS:

- ▶ American Design and Drafting Association (ADDA)
- ▶ Electrician Journeyman License
- ▶ EPA 608 Universal Certification
- ▶ NCCER - Core Certification & NCCER Craft Level 1 & 2 Certification

LEADS TO THESE CAREERS:

- ▶ Architect
- ▶ Carpenter
- ▶ Construction & Building Inspector
- ▶ Construction Equipment Operator
- ▶ Construction Laborer
- ▶ Electrician

JOB OUTLOOK

Architect



AVG SALARY

\$80,630



EDUCATION LEVEL

Bachelor's Degree



JOB OUTLOOK

Stable

Carpenter



AVG SALARY

\$44,590



EDUCATION LEVEL

High school preferred, plus long term, on-the-job training



JOB OUTLOOK

Stable

Electrician



AVG SALARY

\$55,390



EDUCATION LEVEL

Post-secondary training, plus on-the-job training



JOB OUTLOOK

Stable



ARTS, AUDIO/VIDEO TECHNOLOGY & COMMUNICATIONS

WHAT IS IT?

Are you a good communicator? Do you love to use your artistic creativity on the job? Arts, Audio/Video Technology & Communications is focused on careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content, such as visual and performing arts and design, journalism, and entertainment services.

HIGH SCHOOL PROGRAMS OF STUDY:

- ▶ Broadcasting Technology
- ▶ Graphic Design and Illustration
- ▶ Multimedia Publishing
- ▶ Social Journalism

STUDENT CREDENTIALS:

- ▶ Adobe Certified Associate Certifications
- ▶ Adobe Certified Associate Video Design & Web Design Specialist
- ▶ Certified Broadcasting Technologist (CBT)

LEADS TO THESE CAREERS:

- ▶ Audio/Video Technician
- ▶ Broadcast Technician
- ▶ Creative Writer/Poet
- ▶ Editor
- ▶ Graphic Designer
- ▶ News Reporter/Journalist

JOB OUTLOOK

Creative Writer/Poet



AVG SALARY

\$64,640



EDUCATION LEVEL

Bachelor's Degree



JOB OUTLOOK

Stable

Graphic Designer



AVG SALARY

\$49,800



EDUCATION LEVEL

Associate's Degree



JOB OUTLOOK

Stable

Audio/Video Technician



AVG SALARY

\$36,830



EDUCATION LEVEL

One to two years post-secondary training



JOB OUTLOOK

Stable



CAREERTECHWV BUSINESS MANAGEMENT & ADMINISTRATION

WHAT IS IT?

Do you have an entrepreneurial spirit? Do you like to organize things and make decisions? Business Management and Administration is focused on planning, organizing, directing, and evaluating business functions essential to effective and productive business operations.

HIGH SCHOOL PROGRAMS OF STUDY:

- ▶ Business Enterprise
- ▶ Career and Work Skills Training (CWST)
- ▶ E-Commerce
- ▶ Entrepreneurship & Innovation

STUDENT CREDENTIALS:

- ▶ Concepts of Entrepreneurship and Management Certification
- ▶ Microsoft Office Specialist Certification

LEADS TO THESE CAREERS:

- ▶ Executive Assistant
- ▶ General/Operations Manager
- ▶ Human Resource Manager
- ▶ Loan Officer
- ▶ Medical Secretary
- ▶ Receptionist

JOB OUTLOOK

General/Operations Manager



AVG SALARY

\$85,960



EDUCATION LEVEL

**Bachelor's Degree or higher,
plus work experience**



JOB OUTLOOK

Stable

Loan Officer



AVG SALARY

\$59,640



EDUCATION LEVEL

Bachelor's Degree



JOB OUTLOOK

Stable

Receptionist/Information Clerk



AVG SALARY

\$27,850



EDUCATION LEVEL

**High school (GED), plus
on-the-job training**



JOB OUTLOOK

Stable



CAREERTECHWV

EDUCATION & TRAINING

WHAT IS IT?

Do you enjoy teaching and helping children? Are you comfortable with public speaking? Education & Training is focused on the knowledge, skills, attitudes, and practices of early childhood education.

HIGH SCHOOL PROGRAMS OF STUDY:

- ▶ Early Childhood Classroom Assistant Teacher (ECCAT)

STUDENT CREDENTIALS:

- ▶ Apprenticeship for Child Development Specialist (ACDS)
- ▶ Early Childhood Classroom Assistant Teacher (ECCAT)
- ▶ Praxis Core Academic Skills for Educators (Core)

LEADS TO THESE CAREERS:

- ▶ Early Childhood Assistant Teacher
- ▶ Kindergarten Teacher
- ▶ Elementary School Teacher
- ▶ Preschool Teacher
- ▶ Special Education Teaching Assistant
- ▶ Teaching Assistant

JOB OUTLOOK

Kindergarten Teacher



AVG SALARY

\$51,530



EDUCATION LEVEL

Bachelor's Degree



JOB OUTLOOK

Stable

Teaching Assistant



AVG SALARY

\$27,130



EDUCATION LEVEL

Associate's Degree



JOB OUTLOOK

Stable

Preschool Teacher



AVG SALARY

\$34,760



EDUCATION LEVEL

Associate's Degree



JOB OUTLOOK

Stable



CAREERTECHWV FINANCE

WHAT IS IT?

Do you like to work with numbers? Do you want to help people be financially secure? Finance is focused on careers in financial and investment planning, banking, insurance, and business financial management.

HIGH SCHOOL PROGRAMS OF STUDY:

- ▶ Financial Management

STUDENT CREDENTIALS:

- ▶ Intuit QuickBooks Certified User (QBCU)
- ▶ Microsoft Office Specialist (MOS)-Excel Expert

LEADS TO THESE CAREERS:

- ▶ Accountant
- ▶ Budget Analyst
- ▶ Credit Analyst
- ▶ Financial Analyst
- ▶ Financial Manager
- ▶ Tax Preparer

JOB OUTLOOK

Accountant



AVG SALARY

\$69,480



EDUCATION LEVEL

Bachelor's Degree



JOB OUTLOOK

Stable

Budget Analyst



AVG SALARY

\$70,520



EDUCATION LEVEL

Bachelor's Degree



JOB OUTLOOK

Stable

Tax Preparer



AVG SALARY

\$31,030



EDUCATION LEVEL

High school preferred, plus moderate, on-the-job training



JOB OUTLOOK

Stable



CAREERTECHWV

GOVERNMENT & PUBLIC ADMINISTRATION

WHAT IS IT?

Are you interested in government and politics? Does the idea of protecting our country appeal to you? Government & Public Administration is focused on planning and performing government functions at the local, state and federal levels, including governance, national security, foreign service, planning, revenue and taxation, and regulations.

HIGH SCHOOL PROGRAMS OF STUDY:

- ▶ JROTC

STUDENT CREDENTIALS:

DoDI 1205.13 - 5.2.5.1. - Advanced Enlistment Promotion

LEADS TO THESE CAREERS:

- ▶ Compliance Officer
- ▶ Emergency Management Director
- ▶ Government Relations Officer
- ▶ Legislator/Elected Official
- ▶ Municipal Clerk
- ▶ Social/Community Service Manager

JOB OUTLOOK

Legislator



AVG SALARY

\$31,660

EDUCATION LEVEL



Bachelor's Degree or higher, plus work experience



JOB OUTLOOK

Stable

Social/Community Service Manager



AVG SALARY

\$60,630

EDUCATION LEVEL



Bachelor's Degree



JOB OUTLOOK

Stable

Municipal Clerk



AVG SALARY

\$35,990

EDUCATION LEVEL



High School (GED), plus on-the-job training



JOB OUTLOOK

Stable



CAREERTECHWV HEALTH SCIENCE

WHAT IS IT?

Do you have a passion for helping people? Are you interested in exploring the field of medicine? Health Science is focused on planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnological research and development.

HIGH SCHOOL PROGRAMS OF STUDY:

- ▶ Advanced Medical Preparedness
- ▶ Allied Health Sciences
- ▶ Biomedical Science
- ▶ Dental Assisting
- ▶ Sports Medicine
- ▶ Therapeutic Services

STUDENT CREDENTIALS:

- ▶ Biotechnician Assistant Credentialing Exam (BACE)
- ▶ Certified Electrocardiogram (ECG/EKG) Technician
- ▶ Certified Medical Assistant
- ▶ Certified Nursing Assistant (CNA)
- ▶ Certified Patient Care Technician
- ▶ Certified Phlebotomy Technician
- ▶ Clinical Medical Assistant (CCMA)
- ▶ Emergency Medical Technician (EMT) – (WV Certification & National Registry)
- ▶ Medical Laboratory Assistant
- ▶ ExCPT-Exam/Pharmacy Technician Certification Board (PTCB)
- ▶ Registered Dental Assistant Certification

LEADS TO THESE CAREERS:

- ▶ Athletic Trainer
- ▶ Licensed Practical Nurse
- ▶ Pharmacy Technician
- ▶ Physical Therapist Assistant
- ▶ Registered Nurse
- ▶ Respiratory Therapist

JOB OUTLOOK

Registered Nurse



AVG SALARY

\$65,130



EDUCATION LEVEL

Bachelor's Degree



JOB OUTLOOK

Stable

Physical Therapist Assistant



AVG SALARY

\$54,930



EDUCATION LEVEL

Associate's Degree



JOB OUTLOOK

Increasing

Pharmacy Technician



AVG SALARY

\$31,890



EDUCATION LEVEL

High School (GED), plus on-the-job training



JOB OUTLOOK

Stable



CAREERTECHWV HOSPITALITY & TOURISM

WHAT IS IT?

Do you like helping other people enjoy their free time? Would you like to work in a restaurant or hotel? Hospitality & Tourism is focused on the management, marketing, and operations of restaurants and other food services, lodging, attractions, recreation events, and travel-related services.

HIGH SCHOOL PROGRAMS OF STUDY:

- ▶ Baking and Pastry
- ▶ ProStart Restaurant Management
- ▶ Tourism

STUDENT CREDENTIALS:

- ▶ American Culinary Federation (ACF) Certified Fundamentals Cook (CFC) & Pastry Cook (CFPC)
- ▶ Certified Guest Service Professional (CGSP)
- ▶ Certified Hospitality & Tourism Management Professional (CHTMP)
- ▶ ServSafe Certification for Managers

LEADS TO THESE CAREERS:

- ▶ Chef
- ▶ Concierge
- ▶ Entertainment/Recreation Supervisor
- ▶ Hotel/Motel Manager
- ▶ Meetings and Convention Planner
- ▶ Travel Agent

JOB OUTLOOK

Meetings and Convention Planner



AVG SALARY

\$45,170



EDUCATION LEVEL

Bachelor's Degree



JOB OUTLOOK

Stable

Chef



AVG SALARY

\$59,960



EDUCATION LEVEL

One to two years post-secondary training



JOB OUTLOOK

Stable

Hotel/Motel Manager



AVG SALARY

\$56,660



EDUCATION LEVEL

Post-secondary training, plus work experience



JOB OUTLOOK

Stable



CAREERTECHWV

HUMAN SERVICES



WHAT IS IT?

Do you like helping others? Would you enjoy connecting families with assistance services? Human services is focused on providing family and individual services such as counseling and mental health, personal care, and consumer advice.

HIGH SCHOOL PROGRAMS OF STUDY:

- ▶ Pre-Cosmetology
- ▶ School Service Personnel
- ▶ Sign Language Translator
- ▶ Social Services

STUDENT CREDENTIALS:

- ▶ WV Board of Barbers & Cosmetologist License
- ▶ Pre-Professional Assessments & Certifications (Pre-PAC) in Family and Consumer Sciences

LEADS TO THESE CAREERS:

- ▶ Barber
- ▶ Childcare Worker
- ▶ Counselor
- ▶ Hairdresser/Cosmetologist
- ▶ Social Worker
- ▶ Substance Abuse and Behavioral Disorder Counselor

JOB OUTLOOK

Substance Abuse and Behavioral Disorder Counselor



AVG SALARY

\$38,830



EDUCATION LEVEL

Master's Degree



JOB OUTLOOK

Stable

Social Worker



AVG SALARY

\$39,080



EDUCATION LEVEL

Bachelor's Degree



JOB OUTLOOK

Increasing

Hairdresser/Cosmetologist



AVG SALARY

\$27,380



EDUCATION LEVEL

One to two years post-secondary training



JOB OUTLOOK

Stable



CAREERTECHWV

INFORMATION TECHNOLOGY

WHAT IS IT?

Are you a creative, tech-savvy person? Do you like to work with computers or network systems? Information Technology is focused on design, development, support, and management of hardware, software, Internet, multimedia, and systems integration services.

HIGH SCHOOL PROGRAMS OF STUDY:

- ▶ Cisco Networking
- ▶ Coding, AI, and Game Design
- ▶ Computer Science
- ▶ Computer Systems Repair Technology
- ▶ Information Management
- ▶ Virtual Simulation and Game Development

STUDENT CREDENTIALS:

- ▶ Autodesk Certification
- ▶ CCNA/Cisco Certified Entry Level Technician (CCENT)
- ▶ CompTIA+ 220-901 & 220-902
- ▶ CompTIA Network +N10-006 & +N10-007
- ▶ IC3 (Internet Core Competency Certification)
- ▶ Microsoft Office Specialist (MOS) & Master Certification

LEADS TO THESE CAREERS:

- ▶ Applications Software Developer
- ▶ Computer Hardware Engineer
- ▶ Information Security Analyst
- ▶ School Technology Coordinator
- ▶ Telecommunications Equipment Installer/Repairer
- ▶ Web Developer

JOB OUTLOOK

Applications Software Developer



AVG SALARY

\$81,770



EDUCATION LEVEL

Bachelor's Degree



JOB OUTLOOK

Increasing

Web Developer



AVG SALARY

\$81,770



EDUCATION LEVEL

Associate's Degree



JOB OUTLOOK

Stable

Telecommunications Equipment Installer/Repairer



AVG SALARY

\$59,250



EDUCATION LEVEL

Post-secondary training, plus on-the-job training



JOB OUTLOOK

Stable



CAREERTECHWV
**LAW, PUBLIC SAFETY,
 CORRECTIONS &
 SECURITY**



WHAT IS IT?

Would you like to protect and serve? Do you want to help enforce the law? Law, Public Safety, Corrections & Security is focused on planning, managing, and providing legal, public safety, corrections, protective services, and homeland security, including professional and technical support.

HIGH SCHOOL PROGRAMS OF STUDY:

- ▶ Emergency and Firefighting Management Services
- ▶ Law and Public Safety

STUDENT CREDENTIALS:

- ▶ Association of Public-Safety Communications Officials (APCO)
- ▶ Certified Criminal Justice Professional
- ▶ Fire Fighter I & II - National Fire Protection Association Standard 1001
- ▶ National Incident Management System (NIMS) 100, 200, 700 & 800

LEADS TO THESE CAREERS:

- ▶ Court Reporter
- ▶ Criminal Investigator
- ▶ Detective
- ▶ Emergency Management Officer (Military – Officer)
- ▶ Fire Inspector
- ▶ Lawyer

JOB OUTLOOK

Criminal Investigator



AVG SALARY

\$91,710



EDUCATION LEVEL

Bachelor's Degree



JOB OUTLOOK

Stable

Court Reporter



AVG SALARY

\$52,350



EDUCATION LEVEL

One to two years post-secondary training



JOB OUTLOOK

Increasing

Detective



AVG SALARY

\$91,710



EDUCATION LEVEL

Post-secondary training, plus work experience



JOB OUTLOOK

Stable



CAREERTECHWV

MANUFACTURING



WHAT IS IT?

Are you a problem solver and troubleshooter? Do you enjoy designing things? Manufacturing is focused on planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities, such as production planning and control, maintenance, and manufacturing/process engineering.

HIGH SCHOOL PROGRAMS OF STUDY:

- ▶ Aviation Maintenance Technician
- ▶ Industrial Equipment Maintenance
- ▶ Industrial Robotics
- ▶ Machine Tool Technology
- ▶ Manufacturing: Production and Design
- ▶ Millwork and Cabinetmaking
- ▶ Robotics
- ▶ Welding

STUDENT CREDENTIALS:

- ▶ Electronics Technicians Association (ETA) CETa
- ▶ FAA Part 107 Remote Pilot Certification
- ▶ FANUC Certified Robot Operator-1 & 2
- ▶ National Institute for Metalworking Skills (NIMS)
- ▶ WV Welders Certification FCAW, GMAW, GTAW & SMAW Pipe

LEADS TO THESE CAREERS:

- ▶ Industrial Machinery Mechanic
- ▶ Mechanical Engineering Technician
- ▶ Structural Metal Fabricator/Fitter
- ▶ Tool and Die Maker
- ▶ Welder/Cutter
- ▶ Wind Turbine Service Technician

JOB OUTLOOK

Mechanical Engineering Technician



AVG SALARY

\$57,080



EDUCATION LEVEL

Associate's Degree



JOB OUTLOOK

Stable

Industrial Machinery Mechanic



AVG SALARY

\$52,570



EDUCATION LEVEL

One to two years post-secondary training



JOB OUTLOOK

Stable

Welder/Cutter



AVG SALARY

\$50,440



EDUCATION LEVEL

High school preferred, plus moderate, on-the-job training



JOB OUTLOOK

Stable



CAREERTECHWV MARKETING

WHAT IS IT?

Are you a go-getter that enjoys selling products? Are you friendly, outgoing, and creative? Marketing is focused on planning, managing, and performing marketing activities to reach organizational objectives.

HIGH SCHOOL PROGRAMS OF STUDY:

- ▶ Marketing Management

STUDENT CREDENTIALS:

- ▶ Concepts of Entrepreneurship and Management Certification
- ▶ Microsoft Office Specialist Certification

LEADS TO THESE CAREERS:

- ▶ Fundraising Manager
- ▶ Grant Writer
- ▶ Insurance Sales Agent
- ▶ Interior Designer
- ▶ Pharmaceutical Sales Representative
- ▶ Real Estate Sales Agent

JOB OUTLOOK

Fundraising Manager



AVG SALARY

\$86,500



EDUCATION LEVEL

Bachelor's Degree or higher, plus work experience



JOB OUTLOOK

Stable

Insurance Sales Agent



AVG SALARY

\$51,650



EDUCATION LEVEL

One to two years post-secondary training



JOB OUTLOOK

Increasing

Real Estate Sales Agent



AVG SALARY

\$66,280



EDUCATION LEVEL

One to two years post-secondary training



JOB OUTLOOK

Stable



CAREERTECHWV SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

WHAT IS IT?

Do you enjoy solving problems? Do you like science or math? Science, Technology, Engineering & Mathematics (STEM) is focused on planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering), including laboratory and testing services, and research and development services.

HIGH SCHOOL PROGRAMS OF STUDY:

- ▶ Aerospace Engineering
- ▶ Energy and Power
- ▶ Pre-Engineering

STUDENT CREDENTIALS:

- ▶ American Design and Drafting Association (ADDA)
- ▶ REC Foundation Pre-Engineering and Robotics Industry Certifications

LEADS TO THESE CAREERS:

- ▶ Chemical Engineer
- ▶ Civil Engineer
- ▶ Environmental Science Technician
- ▶ Petroleum Engineer
- ▶ Robotics Technician
- ▶ Surveying Technician

JOB OUTLOOK

Chemical Engineer



AVG SALARY

\$119,250



EDUCATION LEVEL

Bachelor's Degree



JOB OUTLOOK

Increasing

Environmental Science Technician



AVG SALARY

\$45,150



EDUCATION LEVEL

**One to two years
post-secondary training**



JOB OUTLOOK

Stable

Surveying Technician



AVG SALARY

\$44,640



EDUCATION LEVEL

**High school preferred, plus
moderate length, on-the-job
training**



JOB OUTLOOK

Stable



CAREERTECHWV

TRANSPORTATION, DISTRIBUTION & LOGISTICS

WHAT IS IT?

Does the idea of repairing vehicles, trains, and planes appeal to you? Are you detail-oriented and like to work with your hands? Transportation, Distribution & Logistics is focused on planning and managing the movement of people, materials, and goods by road, pipeline, air, rail, and water. Professional support services like logistics services and mobile equipment and facility maintenance are also part of this cluster.

HIGH SCHOOL PROGRAMS OF STUDY:

- ▶ Automotive Technology
- ▶ Collision Repair Technology
- ▶ Diesel Equipment Technology
- ▶ Global Logistics and Supply Chain Management
- ▶ Power Equipment Systems

STUDENT CREDENTIALS:

- ▶ Automotive Service Excellence (ASE) Entry-Level Certification
- ▶ Caterpillar-CAT Basic Certifications
- ▶ Equipment and Engine Training Counsel (EETC)-Small Engine Certification

LEADS TO THESE CAREERS:

- ▶ Aircraft Mechanic
- ▶ Automotive Engineering Technician
- ▶ Brownfield Redevelopment Specialist
- ▶ Commercial Pilot
- ▶ Diesel Engine Mechanic
- ▶ Heavy Truck Driver

JOB OUTLOOK

Commercial Pilot



AVG SALARY

\$81,810



EDUCATION LEVEL

Bachelor's Degree



JOB OUTLOOK

Stable

Automotive Engineering Technician



AVG SALARY

\$57,080



EDUCATION LEVEL

Associate's Degree



JOB OUTLOOK

Increasing

Heavy Truck Driver



AVG SALARY

\$44,080



EDUCATION LEVEL

**Post-secondary training,
plus on-the-job training**



JOB OUTLOOK

Stable



CAREERTECHWV WEST VIRGINIA SPECIFIC CAREER CLUSTER



WHAT IS IT?

The West Virginia Specific Career Cluster is designed to provide a personalized opportunity to complete Career Technical Education courses based upon individual students' pathway.

HIGH SCHOOL PROGRAMS OF STUDY:

- ▶ Individual Work Ready Competencies (IWRC): A state-approved CTE career pathway which provides students with an Individualized Education Program (IEP), the opportunity to gain valuable work readiness and occupational skills as determined by the Student Assistance Team.

EMPOWERING STUDENTS TO OPEN THE DOORS OF OPPORTUNITY



STUDENT OPPORTUNITIES



Career Technical Education provides many opportunities to help guide students in developing a career path and gain the skills needed to be successful in their career. Career and Technical Student Organizations (CTSOs) extend teaching and learning through innovative programs, business and community partnerships and leadership experiences at the school, state and national levels.



Educators Rising is committed to developing and supporting the next generation of highly skilled educators through hands-on experience, leadership, and collaboration.



Family, Career and Community Leaders of America (FCCLA) is a student lead organization that upholds its promise of being 'The Ultimate Leadership Experience'. Family and Consumer Sciences students across the country learn to become well-prepared leaders that leave school career ready.



Future Business Leaders of America (FBLA) inspires and prepares students to become community-minded business leaders in a global society through relevant career preparation and leadership experiences.



Future Farmers of America (FFA) is a dynamic youth organization that changes lives and prepares members for premier leadership, personal growth and career success through agricultural education.



HOSA-Future Health Professionals is a student-led organization, whose mission is to promote career opportunities in the health industry and to enhance the delivery of quality health care to all people.



The mission of the **Junior Reserve Officer Training Corps (JROTC)** is to teach students citizenship, leadership, character, and community service. The core values are at the heart of JROTC, whose creed emphasizes working to better the cadet's family, school, and country.



ProStart is a two-year, industry-backed culinary arts and restaurant management program for high school students. ProStart students finish the program ready to join the workforce and make an immediate impact in restaurants and foodservice. ProStart students are closely connected to industry experts through guest speakers, class mentors, tours of local facilities, hosting student competitions, and more – all to ensure real-world experience is brought directly to the classroom.



SkillsUSA empowers its members to become world-class workers, leaders and responsible American citizens. SkillsUSA improves the quality of our nation's future skilled workforce through the development of SkillsUSA Framework skills that include personal, workplace, and technical skills grounded in academics.



Technology Student Association (TSA) fosters personal growth, leadership, and opportunities in technology, innovation, design, and engineering. Members apply and integrate science, technology, engineering and mathematics concepts through co-curricular activities, competitive events, and related programs.



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